

Amendments To The Claims:

1. (Currently Amended) A safety and arming fuze apparatus for use with a projectile, comprising:

a magnetic sensing apparatus for determining the occurrence of at least two of the events selected from the group consisting of muzzle exit, a predetermined spin rate, and a predetermined number of turns,

whereby upon the occurrence of the at least two events the fuze is armed.

2. (Original) The safety and arming apparatus of claim 1 further including a timer and wherein the magnetic sensing apparatus is programmed to arm the fuze only if the at least two events occur in a predetermined order in a predetermined time window.

3. (Original) The safety and arming apparatus of claim 1 wherein the at least two events are muzzle exit, spin rate, and turns in a predetermined time window.

4. (Original) The safety and arming apparatus of claim 1 wherein the at least two events are muzzle exit and a predetermined number of turns.

5. (Original) The safety and arming apparatus of claim 1 wherein the at least two events are a predetermined spin rate and a predetermined number of turns.

6. (Original) The safety and arming apparatus of claim 1 wherein the at least two events are muzzle exit, a predetermined spin rate, and a predetermined number of turns.

7. (Original) The safety and arming apparatus of claim 2 further including a setback sensor and wherein the fuze is armed only if setback occurs and the at least two events occur in a predetermined order.

8. (Original) The safety and arming apparatus of claim 7 wherein the fuze is armed only if muzzle exit occurs within a predetermined time window from when setback occurs.

9. (Original) The safety and arming apparatus of claim 1 wherein the fuze is armed only if the spin rate is between a predetermined minimum and maximum spin rate within a predetermined time window.

10. (Original) A method for safing and arming a projectile, the steps comprising:

- a) determining the occurrence of at least two of the events selected from the group consisting of muzzle exit, a predetermined spin rate, and a predetermined number of turns,
- b) arming the fuze.

11. (Original) The method of claim 10 further including the step of arming the fuze only if a setback event occurs.

12. (Original) The method of claim 11 further including the step of arming the fuze only if the event of muzzle exit occurs within a predetermined time from when setback occurs.

13. (Original) The method of claim 12 further including the step of arming the fuze only if the spin rate is between a predetermined minimum and maximum spin rate.

14. (Original) The method of claim 13 further including the step of arming the fuze only after the projectile has turned a predetermined number of turns.